

# CUMULATIVE INDEX

VOLUMES 21 TO 25

## INDEX OF CONTRIBUTING AUTHORS

### A

Abbott, B. C., 23:529  
Alexander, R. S., 25:213  
Allen, T. H., 22:349  
Angeletti, P. U., 24:11  
Asboe-Hansen, G., 25:41  
Aschoff, J., 25:581  
Athens, J. W., 25:195

### B

Bass, A. D., 21:49  
Beadle, G. W., 22:45  
Bernhard, C. G., 21:325  
Black, E. C., 22:169  
Bohr, D. F., 23:295  
Bollman, J. L., 23:183  
Brady, A. J., 23:529  
Brinkhous, K. M., 21:271  
Brooks, F. P., 22:473  
Budy, A. M., 21:69  
Burnstock, G., 25:61  
Buser, P., 23:387

### C

Caldeyro-Barcia, R., 21:499  
Carlson, L. D., 24:85  
Cibils, L. A., 21:499  
Cooper, K. E., 24:139  
Crescitelli, F., 22:525  
Crismon, J. M., 22:317  
Cutler, R. E., 25:385

### D

Daniels, F., Jr., 23:207  
Dartnall, H. J. A., 25:433  
Davenport, H. W., 21:183  
Deutsch, J. A., 24:259  
Dowling, J. T., 22:615  
Drummond, G. I., 22:169

### E

Edelman, I. S., 23:37  
Edwards, C., 24:325

### F

Farner, D. S., 23:71  
Farrell, G., 24:471  
Fenn, W. O., 24:1  
Fielitz, C., 21:499

Flink, E. B., 23:229  
Florey, E., 23:501  
Forbes, T. R., 22:75  
Forsham, P. H., 22:579  
Fortier, C., 24:223  
Frank, K., 23:357  
Fuhrman, F. A., 21:19  
Fuortes, M. G. F., 23:357

### G

Galeano, C., 22:433  
Galton, V. A., 25:361  
Ganong, W. F., 22:579  
Giebisch, G., 24:357  
Giese, A. C., 21:547  
Goldberg, J. M., 22:499  
Grossman, M. I., 25:165  
Guyton, A. C., 21:239

### H

Harris, A. S., 22:283  
Hensel, H., 21:91  
Heymans, C., 25:1  
Hightower, N. C., Jr., 24:109  
Hill, A. V., 21:1  
Hirsch, P. F., 25:325  
Hoffman, B. F., 23:327  
Hogben, C. A. M., 22:381  
Holman, M. E., 25:61  
Horridge, G. A., 25:523

### J

Janowitz, H. D., 23:153  
John, E. R., 23:451

### K

Kavaler, F., 23:327  
Kleeman, C. R., 25:385  
Kleiber, M., 23:15

### L

Lawrence, M., 23:485  
Laws, D. F., 25:631  
Leaf, A., 22:111  
Leicester, H. M., 21:475  
Levi-Montalcini, R., 24:11  
Lobitz, W. C., Jr., 23:207  
Lukens, F. D. W., 21:445

### M

McLean, F. C., 21:69;  
22:1  
Manwell, C., 22:191  
Marsh, D. J., 25:91  
Mason, J. W., 21:353  
Miller, S., 24:199  
Milnor, W. R., 24:169  
Mommaerts, W. F. H. M.,  
23:529  
Munson, P. L., 25:325

### N

Neff, W. D., 22:499  
Nichols, J. S., 22:95

### O

Olds, J., 21:381

### P

Perkins, J. F., Jr., 22:245  
Perl, E. R., 25:459  
Pincus, G., 24:57  
Pose, S. V., 21:499  
Prescott, D. M., 22:17

### R

Randle, P. J., 25:291  
Reeve, E. B., 22:349  
Roberts, J. E., 22:349  
Rogers, T. A., 23:15  
Rougeul, A., 23:387

### S

Saffran, J., 21:403  
Saffran, M., 21:403  
Scher, A. M., 21:211  
Schmidt, C. F., 23:1  
Schmidt-Nielsen, B., 25:631  
Segundo, J. P., 22:433  
Selkurt, E. E., 21:117  
Severinghaus, J. W., 24:421  
Shock, N. W., 23:97  
Sica-Blanco, Y., 21:499  
Siekevitz, P., 25:15  
Sokolov, E. N., 25:545

- |                              |                              |                          |
|------------------------------|------------------------------|--------------------------|
| Solomon, D. H., 22:615       | Tobias, J. M., 21:299        | W                        |
| Spyropoulos, C. S., 22:407   |                              |                          |
| Stämpfli, R., 25:493         | U                            | Wang, H. -H., 21:151     |
| Ström, G., 23:419            | Ullrich, K. J., 25:91        | Wang, S. C., 21:151      |
|                              |                              | Weddell, G., 24:199      |
| T                            | V                            | Whitehorn, W. V., 25:235 |
| Tansley, K., 25:433          | Van der Kloot, W. G., 24:491 | Wilbrandt, W., 25:601    |
| Tasaki, I., 22:407           | Velardo, J. T., 23:263       | Wirz, H., 23:577         |
| Tashjian, A. H., Jr., 25:325 | Vernberg, F. J., 24:517      | Wyss, O. A. M., 25:143   |
| Taylor, A. N., 24:471        | Villee, C. A., 25:263        | Z                        |
| Tenney, S. M., 23:123        | Villee, D. B., 25:263        | Zanchetti, A., 24:287    |
| Terzuolo, C. A., 24:325      |                              |                          |



## INDEX OF CHAPTER TITLES

## VOLUMES 21 TO 25

## ADENOHYPOPHYSIS AND ADRENAL CORTEX

- |                             |            |
|-----------------------------|------------|
| M. Saffran, J. Saffran      | 21:403-44  |
| W. F. Ganong, P. H. Forsham | 22:579-614 |
| E. B. Flink                 | 23:229-62  |
| C. Fortier                  | 24:223-58  |
| P. J. Randle                | 25:291-324 |
| C. R. Kleeman, R. E. Cutler | 25:385-432 |

Endocrine Control of Metabolism  
Neurohypophysis  
BLOOD CLOTTING

- |                 |            |
|-----------------|------------|
| K. M. Brinkhous | 21:271-98  |
| Athens, J. W.   | 25:195-212 |

BLOOD: FORMED ELEMENTS  
Leukocytes  
BLOOD VOLUME

- |                           |            |
|---------------------------|------------|
| E. B. Reeve, T. H. Allen, |            |
| J. E. Roberts             | 22:349-80  |
| G. Farrell, A. N. Taylor  | 24:471-90  |
| A. C. Guyton              | 21:239-70  |
| J. M. Crismon             | 22:317-48  |
| D. F. Bohr                | 23:295-326 |
| K. E. Cooper              | 24:139-68  |
| Alexander, R. S.          | 25:213-34  |

## COMPARATIVE PHYSIOLOGY

- Annual Reproductive Cycles of Marine
  - Invertebrates
- Blood Pigments
- Diurnal Rhythms
- Endocrinology of Invertebrates
- Fuel of Muscle Metabolism
- Integrative Action of the Nervous System
- Invertebrate Mechanisms for
  - Diluting and Concentrating the Urine
- Photoperiodicity

- |                                |            |
|--------------------------------|------------|
| A. C. Giese                    | 21:547-76  |
| C. Manwell                     | 22:191-244 |
| J. Aschoff                     | 25:581-600 |
| W. G. Van der Kloot            | 24:491-516 |
| G. I. Drummond, E. C. Black    | 22:169-90  |
| G. A. Horridge                 | 25:523-44  |
| B. Schmidt-Nielsen, D. F. Laws | 25:631-57  |
| D. S. Farnar                   | 23:71-96   |

Physiological Properties	F. J. Vernberg	24:517-46
Transmitter Substances	E. Florey	23:501-28
CONNECTIVE AND SUPPORTING TISSUES		
Bone	F. C. McLean, A. M. Budy	21:69-90
Connective Tissue	G. Asboe-Hansen	25:41-60
CUTANEOUS RECEPTORS		
Cutaneous Sensibility	G. Weddell, S. Miller	24:199-222
DEVELOPMENTAL PHYSIOLOGY		
Aging in Man	J. S. Nicholas	22:95-110
DIGESTIVE SYSTEM	N. W. Shock	23:97-122
	H. W. Davenport	21:183-210
	C. A. M. Hogben	22:381-406
	H. D. Janowitz	23:153-82
	N. C. Hightower, Jr.	24:109-38
	Grossman, M. I.	25:165-94
ENERGY METABOLISM (see also Russian Literature)		
GENETICS: PHYSIOLOGICAL ASPECTS	M. Kleiber, T. A. Rogers	23:15-36
GROWTH	G. W. Beadle	22:45-74
Growth and Differentiation	R. Levi-Montalcini, P. U. Angeletti	24:11-56
HEARING	M. Lawrence	23:485-500
HEART	A. M. Scher	21:211-38
	A. S. Harris	22:283-316
	B. F. Hoffman, F. Kavalier	23:337-56
	W. R. Milnor	24:169-98
	Whitehorn, W. V.	25:235-62
HEAT AND COLD	H. Hensel	21:91-116
	L. D. Carlson	24:85-108
KIDNEY, WATER, AND ELECTROLYTE METABOLISM	E. E. Selkurt	21:117-50
	A. Leaf	22:111-68
	H. Wirz	23:577-606
	G. Giebisch	24:357-420
	K. J. Ullrich, D. J. Marsh	25:91-142
LIVER	J. L. Bollman	23:183-206
METABOLISM (see Kidney; and Energy Metabolism)		
MUSCLE	W. F. H. M. Mommaerts, with A. J. Brady, B. C. Abbott	23:529-76
Smooth Muscle: Autonomic Nerve Transmission	G. Burnstock, M. E. Holman	25:61-90
NERVOUS SYSTEM		
Conduction and Transmission	J. M. Tobias	21:299-324
Biophysical Aspects	C. S. Spyropoulos, I. Tasaki	22:407-32
	K. Frank, M. G. F. Fuortes	23:357-86
	C. A. Terzuolo, C. Edwards	24:325-56
	R. Stämpfli	25:493-522
	J. Olds	21:381-402
	W. D. Neff, J. M. Goldberg	22:499-524
	E. R. John	23:451-84
	J. A. Deutsch	24:259-86
	E. N. Sokolov	25:545-80
	C. G. Bernhard	21:325-52
	J. P. Segundo, C. Galeano	22:433-72
	P. Buser, A. Rougeul	23:387-418
	A. Zanchetti	24:287-324
	E. R. Perl	25:459-92
Somatosensory Mechanisms		

<u>Visceral Functions</u>	J. W. Mason	21:353-80
	F. P. Brooks	22:473-98
	G. Ström	23:419-50
PANCREAS AND INSULIN	F. D. W. Lukens	21:445-74
The Pancreas: Insulin and Glucagon	P. L. Munson, P. F. Hirsch,	
PARATHYROID GLAND	A. H. Tashjian, Jr.	25:325-60
PHARMACOLOGY (see Energy Metabolism; and Nervous System, Conduction and Transmission)		
PREFATORY CHAPTERS		
The Heat Production of Muscle and Nerve, 1848-1914	A. V. Hill	21:1-18
Physiology and Medicine, A Transition Period	F. C. McLean	22:1-16
Pharmacology in a Changing World	C. F. Schmidt	23:1-14
Born Fifty Years Too Soon	W. O. Fenn	24:1-10
A Look at an Old but Still Current Problem	C. Heymans	25:1-14
PROTOPLASM		
Chemical Influences on Cell Division and Development	A. D. Bass	21:49-68
Nuclear Function and Nuclear- Cytoplasmic Interactions	D. M. Prescott	22:17-44
Endoplasmic Reticulum and Microsomes and Their Properties	P. Siekevitz	25:15-40
REPRODUCTION	R. Caldeyro-Barcia, S. V. Pose,	
	Y. Sica-Blanco, C. Fielitz,	
	L. A. Cibils	21:499-546
	T. R. Forbes	22:75-94
	J. T. Velardo	23:263-94
	G. Pincus	24:57-84
	C. A. Villee, D. B. Villee	25:263-90
RESPIRATORY SYSTEM	H.-H. Wang, S. C. Wang	21:151-82
	J. F. Perkins, Jr.	22:245-82
	S. M. Tenney	23:123-52
	J. W. Severinghaus	24:421-70
	O. A. M. Wyss	25:143-62
RUSSIAN LITERATURE		
Recent Russian Research in Metabolism and Endocrinology	H. M. Leicester	21:475-98
SKIN	W. C. Lobitz, Jr., F. Daniels,	
	Jr.	23:207-28
THYROID GLAND		
	D. H. Solomon, J. T. Dowling	22:615-50
	S. H. Ingbar, V. A. Galton	25:361-84
TRANSPORT THROUGH BIOLOGICAL MEMBRANES		
	F. A. Fuhrman	21:19-48
	I. S. Edelman	23:37-70
	Wilbrandt, W.	25:601-30
VISION		
	F. Crescitelli	22:525-78
Retinal Structure and Visual Pigments	H. J. A. Dartnall, K. Tansley	25:433-58

